

# Hui Xia

## List of Publications by Year in descending order

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43  
papers

295  
citations

1163117

8  
h-index

940533

16  
g-index

43  
all docs

43  
docs citations

43  
times ranked

200  
citing authors

#	ARTICLE	IF	CITATIONS
1	Delay and diversity-induced synchronization transitions in a small-world neuronal network. <i>Physical Review E</i> , 2011, 83, 046207.	2.1	77
2	Discrete growth models on deterministic fractal substrate. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 4552-4557.	2.6	28
3	Traffic accidents in a cellular automaton model with a speed limit zone. <i>Journal of Physics A</i> , 2006, 39, 9127-9137.	1.6	19
4	The influence of diversity on spiral wave in the cardiac tissue. <i>Europhysics Letters</i> , 2012, 97, 28003.	2.0	17
5	Dynamic scaling behaviors of the discrete growth models on fractal substrates. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P10014.	2.3	15
6	Numerical evidence for anomalous dynamic scaling in conserved surface growth. <i>Surface Science</i> , 2013, 607, 138-147.	1.9	11
7	Avalanche process of the fiber-bundle model with stick-slip dynamics and a variable Young modulus. <i>Physical Review E</i> , 2013, 87, 042126.	2.1	9
8	Long-range temporal correlations in the Kardar-Parisi-Zhang growth: numerical simulations. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 113206.	2.3	9
9	The avalanche process of the multilinear fiber bundles model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P10008.	2.3	8
10	Simulation of finite size effects of the fiber bundle model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 490, 338-346.	2.6	8
11	The avalanche process of the fiber bundle model with defect in local loading sharing. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 505, 1095-1102.	2.6	8
12	SCALING APPROACH TO ANOMALOUS SURFACE ROUGHENING OF THE (d+1)-DIMENSIONAL MOLECULAR-BEAM EPITAXY GROWTH EQUATIONS. <i>Modern Physics Letters B</i> , 2006, 20, 1935-1941.	1.9	7
13	The avalanche process of the fiber bundle model with defect. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 472, 77-85.	2.6	7
14	Scaling behaviour of the time-fractional Kardar-Parisi-Zhang equation. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 275003.	2.1	6
15	Asymptotic dynamic scaling behavior of the (1+1)-dimensional Wolf-Villain model. <i>Physical Review E</i> , 2012, 85, 041126.	2.1	6
16	Large-scale numerical study on the dynamic scaling behavior of Das Sarma-Tamborenea model by employing noise reduction technique. <i>Europhysics Letters</i> , 2015, 111, 60012.	2.0	5
17	Extensive numerical study of the anomalous dynamic scaling of the Wolf-Villain model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 2189-2197.	2.6	4
18	Dynamics of surface roughening in the space-fractional Kardar-Parisi-Zhang growth: numerical results. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 295001.	2.1	4

#	ARTICLE	IF	CITATIONS
19	Simulation Study on the Avalanche Process of Continuous Damage Fiber Bundle Model with Strong Disorder. <i>Journal of Statistical Physics</i> , 2012, 146, 1203-1212.	1.2	4
20	Simulation study on the avalanche process of the mixed brittle-plastic fiber bundle model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 441, 237-244.	2.6	4
21	Dynamic scaling behaviors of linear fractal Langevin-type equation driven by nonconserved and conserved noise. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 451, 451-455.	2.6	4
22	Kinetic roughening and nontrivial scaling in the Kardar-Parisi-Zhang growth with long-range temporal correlations. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 073203.	2.3	4
23	Scaling analysis of the conservation growth equation with temporally correlated noise. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 338, 431-436.	2.6	3
24	CONFORMAL INVARIANCE OF CONTOUR LINES ON THE (2 + 1)-DIMENSIONAL RESTRICTED SOLID-ON-SOLID SURFACE. <i>Modern Physics Letters B</i> , 2011, 25, 255-264.	1.9	3
25	Crossover behavior in the avalanche process of the fiber bundle model in local load sharing. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 416, 135-141.	2.6	3
26	Long-Range Temporal Correlations in Kinetic Roughening. <i>Journal of Statistical Physics</i> , 2020, 178, 800-813.	1.2	3
27	Extensive numerical simulations of surface growth with temporally correlated noise. <i>Physical Review E</i> , 2021, 103, 012121.	2.1	3
28	Dynamic scaling behaviors of the Etching model on fractal substrates. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P12008.	2.3	2
29	Surface structures of equilibrium restricted curvature model on two fractal substrates. <i>Chinese Physics B</i> , 2014, 23, 010503.	1.4	2
30	Numerical analysis of long-range spatial correlations in surface growth. <i>Physical Review E</i> , 2016, 94, 062121.	2.1	2
31	Dynamic scaling behaviors of the restricted-solid-on-solid model on honeycomb and square-octagon lattice substrates. <i>European Physical Journal B</i> , 2017, 90, 1.	1.5	2
32	Universality in a class of the modified Villain-Lai-Das Sarma equation. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 023210.	2.3	2
33	Anomalous dynamic scaling of the non-local growth equations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 1399-1404.	2.6	1
34	Mound morphology of the 2+1 -dimensional Wolf-Villain model caused by the step-edge diffusion effect. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 5635-5644.	2.6	1
35	Conformal Invariance of Isoheight Lines of the (2+1)-Dimensional Wolf-Villain Surfaces. <i>Journal of Statistical Physics</i> , 2011, 143, 501-508.	1.2	1
36	Universal Behaviour of (2+1)-Dimensional Stochastic Equations for Epitaxial Growth Processes. <i>Journal of Statistical Physics</i> , 2012, 149, 1086-1095.	1.2	1

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37	A fractal langevin equation describing the kinetic roughening growth on fractal lattices. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P08016.	2.3	1
38	Numerical evidence of persisting surface roughness when deposition stops. Journal of Statistical Mechanics: Theory and Experiment, 2022, 2022, 013202.	2.3	1
39	Evidence for the anomalous scaling behaviour of the molecular-beam epitaxy growth equation. Chinese Physics B, 2011, 20, 036402.	1.4	0
40	Simulation study on the avalanche process of the fiber bundles with strong heterogeneities. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4686-4691.	2.6	0
41	Nonuniversality of Critical Exponents in a Fractional Quenched Kardar-Parisi-Zhang Equation. Journal of Statistical Physics, 2014, 154, 1228-1240.	1.2	0
42	Numerical simulation of melting dynamic process and surface scale properties of two-dimensional honeycomb lattice. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 050301.	0.5	0
43	Kinetic roughening in the nonlocal Kardar-Parisi-Zhang growth: Pseudospectral versus finite difference schemes. Physica A: Statistical Mechanics and Its Applications, 2022, , 127819.	2.6	0